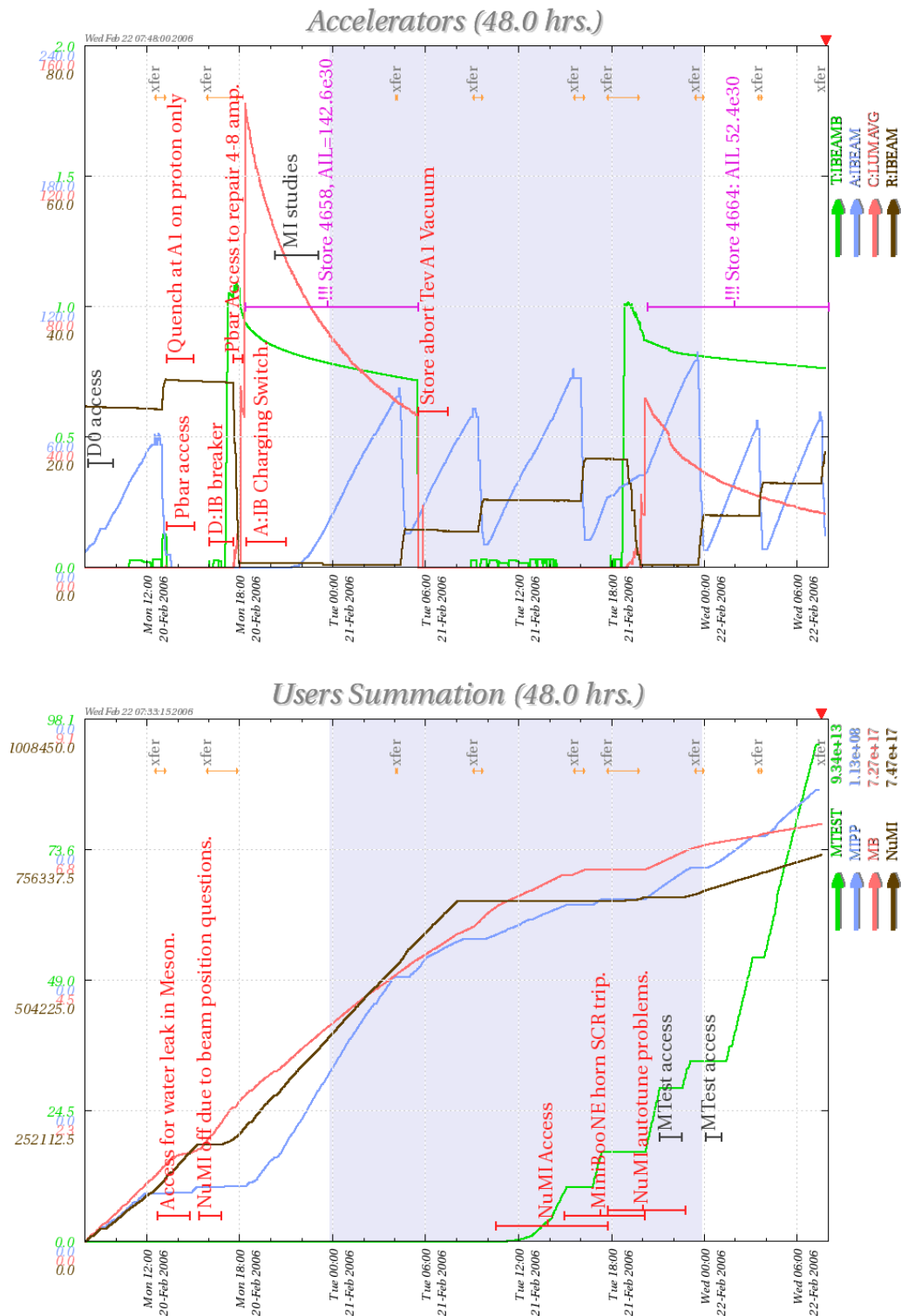


2006-02-22 Integration Scheduling Meeting

Wednesday, February 22, 2006
8:43 AM

- Crew Chief Summary:**



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- **Notes from Integration:**
 - Trying to work hard to get one more large store prior to the shutdown.
 - Store 4664 - 36x20 due to TLG modifications.
 - There is not much useful Luminosity left in this store.
 - Stacking has been good. 7.8 to 8.0e12 on target. Four hours from transfer between Recycler transfers (stacking and the Recycler shot),
 - Collision Hall access
 - The long shutdown is approaching as we will start ramping down operations.
- At 8am Thursday:
 - Pbar stacking so that the Main Injector loss rate drops from the present average of 420 W (~1 KJ/2.4 sec) to 140 W (330 KJ/2.4sec).
 - NUMI to 1 turn per batch with 5 batches per cycle with a cycle time ~2.4 secs.
 - MiniBooNE to 1 turn per batch up to a Booster watt limit of 200 W.
- **Machine Summaries:**
 - **Linac**
 - Summary:
 - Running well.
 - Monday Rad trips with NTF turning on. Tuning
 - Requests:
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 - **Booster**
 - Summary:
 - Running well
 - Under 200W limit
 - Beam to Pbar
 - Requests:
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 - **Main Injector**
 - Summary:
 - Removed mid-level RF system.
 - Problem with balancing a and b stations . Old system back, coalescing back to 90%
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 - Requests:
 - 11 batch slip stacking - NuMI and Pbar
 - Low intensity.- wait until tomorrow.
 - Tomorrow - scan of Numi extraction.
 - Re-do pbar extraction -
 - **Pbar**
 - Summary:
 - Back to stacking 20mA/hr. Access Monday
 - Replaced QS732
 - Replaced PA tubes for DRF
 - Removed attenuation for 4-8GHz.
 - After access
 - a:ib contactor
 - Cycled busses,
 - d:ib contactor failed - replaced
 - Had to re-access to fix 4-8GHz - corrosion on amplifier.
 - a:ib contactor again,
 - Only one spare contactor. Don't want to turn off if possible.
 - DRF1-1 power supply.
 - After phasing cooling system and tune-up, back to 20ma/hr
 - Rapid transfers
 - Reverted
 - Tuneup beamline
 - Decreased back bucket size

- Decreased back bucket size
 - 8 gev quads
 - Good transfer efficiency again.
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 - Pbar Stacking Numbers
 - ◆ Best Stacking = mA/hr, Production = e-6/proton
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 - Requests:
 - SEMs in beamline.
- **Tevatron**
 - Summary:
 - Continued to look into lifetime at 150GeV
 - Proton only to tune up prepare to ramp. Found strong coupling, fixed this, beam is much quieter
 - 4658 - no instability, so the coupling adjustment helped
 - Poor p life
 - Lower chromaticity
 - CIA create failure
 - Studies after failed store.
 - 4654 - lowered horizontal chromaticity by 3 units.
 - Pbar horizontal tune may be going coherent.
 - When opened helix, had to adjust coupling.
 - Proton and Pbar chromaticity - octupoles on vacation, so would be hard to do.
 - Orbits have not been that stable, not terrible, but not as stable as normal.
 - Been a year since looked at Octupoles.
 - Just do a store. No pressing studies.
 - IPM/OTR guys - coupling measurements.
 - Single lock back - if need to test,
 - Requests:
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- **Recycler**
 - Summary:
 - Last two shots been normal,\
 - Getting to target emittances on shots
 - EOS studies - drag rate measurements
 - Damper - Tunnel problem - adjust amps to reduce saturation - should be ok until the shutdown.
 - Try to finish documentation.
 - Requests:
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- **SY120**
 - Summary:
 - MIPP +40 GeV
 - Test is running.
 - Requests:
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- **MiniBooNE**
 - Summary:
 - Problems with horn on evening - SCR fault.
 - Everything ran smoothly
 - special runs?
 - Requests:
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- **NuMI**
 - Summary:
 - Ran at normal intensity until yesterday morning
 - Access yesterday - get measurements under main decay shield.

- Water
 - During downtime, changes to beam steering program. Was not good in interleaved mode.
 - Unresolved problem - turn NuMI off, or brief period of interleaved beam.
 - Requests:
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- **CDF**
 - Summary:
 - Store 4658 - useful
 - Ave eff 85%
 - Initial lum 159e30
 - Measured run 2b triggers
 - Accomplished most of tasks before shutdown.
 - Took data.
 - 4664 - took data - tests for STT upgrade.
 - Hv control problems with muon system and forward cal. Hv system. Lost 1 15 deg wedge.
 - Requests:
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- **DO**
 - Summary:
 - Ran 71%
 - Special run - 4658
 - Ran well yesterday - efficiency in the high 80s.
 - 2 accesses - lost 1/6 of silicon due to lv ps.
 - Access - replace afe2 boards for testing.
 - Take advantage of access.
 - Requests:
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- **FESS**
 - Summary:
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 - Requests:
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- **Mechanical**
 - Summary:
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 - Requests:
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- **Other**
 - Summary:
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 - Requests:
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- **Long Shutdown**
 - Summary:
 - After 2200 on Sunday drop dead time for shots.
 - How to make things easy to get into the tunnel.
 - First Day shutdown. Shows who needs keys on Monday. Only those
 - Friady 9am meeting - give last feedback - lock in at noon on who gets keys.
 - NuMI - 9 keys
 - MI/RR - 12 keys
 - Tevatron 15 keys - controlled access.
 - Booster - 10 keys fist day of access - controlled access on Monday.
 - Pbar - 3 keys

- Linac - no one is going in on the first day.

- Requests:

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- **The Plan**

- Summary:

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- Requests:

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